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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,932	03/08/2007	Joseph W. Twarog JR.	DN1-0024	6138
23413 CANTOR COL	7590 05/13/201 BURN LLP	EXAMINER		
20 Church Stree	et	BERGIN, JAMES S		
22nd Floor Hartford, CT 06103			ART UNIT	PAPER NUMBER
			3641	
			NOTIFICATION DATE	DELIVERY MODE
			05/13/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptopatentmail@cantorcolburn.com

	Application No.	Applicant(s)			
	10/553,932	TWAROG ET AL.			
Office Action Summary	Examiner	Art Unit			
	JAMES S. BERGIN	3641			
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period in Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be time will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	I. lely filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status					
1)⊠ Responsive to communication(s) filed on <u>04 F</u>	ebruary 2011.				
	s action is non-final.				
<i>'</i> =	· -				
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.				
· ·	expans adays, reds e.s. 11, 16	70 G.G. 210.			
Disposition of Claims					
4) ☑ Claim(s) 1-27 is/are pending in the application 4a) Of the above claim(s) 22-27 is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☑ Claim(s) 1-21 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	wn from consideration.				
Application Papers					
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 20 October 2005 is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Examine 11.	: a)⊠ accepted or b)□ objected drawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 2/24/2010.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of informal P 6) Other:	ate			

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DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of invention Group 1, claims 1-9 in the reply filed on 2/4/2011 is acknowledged. The traversal is on the ground(s) that Groups I and II define, respectively, a timing element and a method for making the timing element. The timing element of claim 1 can be made only by the method of claim 10, and the method of claim 10 can produce only the timing element of claim 1. It is respectfully submitted that possible other uses for the product are irrelevant to considering unity of invention of the claimed subject matter, so that the claims of Groups I and II have unity of invention. 8. The within amendment to claim 19 brings its subject matter within the scope of the search required for the claims of Groups I and II. It is therefore requested that at least claims 1-21, the claims of Groups I, II and III, be examined in this application. In response to this argument the examiner will withdraw the restriction requirement between Groups I, II and III and will examine claims 1-21 together in this application. The restriction concerning invention group IV (claims 22-24), group V (claims 25-27) and group VI (claim 27) is being maintained.

The requirement, with regard to groups IV, V and VI, is still deemed proper and is therefore made FINAL.

2. Claims 22-27 (invention groups IV, V and VI) are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to nonelected inventions, there being no allowable generic or linking claim. Election was made **without** traverse in the reply filed on 2/4/2011.

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Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In independent claim 1, line 3, the limitation, "optionally" is vague and indefinite.

Does the claimed timing element comprise one or both of a fuel component and an oxidizer component dispersed within the solid core of the reactive polymeric material, or does it not?

In independent clam 10, line 3, the limitation, "optionally" is vague and indefinite.

Does the claimed method of making a timing element comprise one or both of a fuel component and an oxidizer component dispersed within the solid core of the reactive polymeric material, or does it not?

In claim 19, line 9, the limitation, "optionally" is vague and indefinite. Does the claimed initiator comprise a timing element that comprises one or both of a fuel component and an oxidizer component dispersed within the solid core of the reactive polymeric material, or does it not?

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES S. BERGIN whose telephone number is

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(571)272-6872. The examiner can normally be reached on Monday - Wednesday and Friday, 8.30 - 5.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 571-272-6873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James S. Bergin/ Primary Examiner, Art Unit 3641